



UPCOMING LAUNCH

SES 03B MPOWER MISSION

WATCH

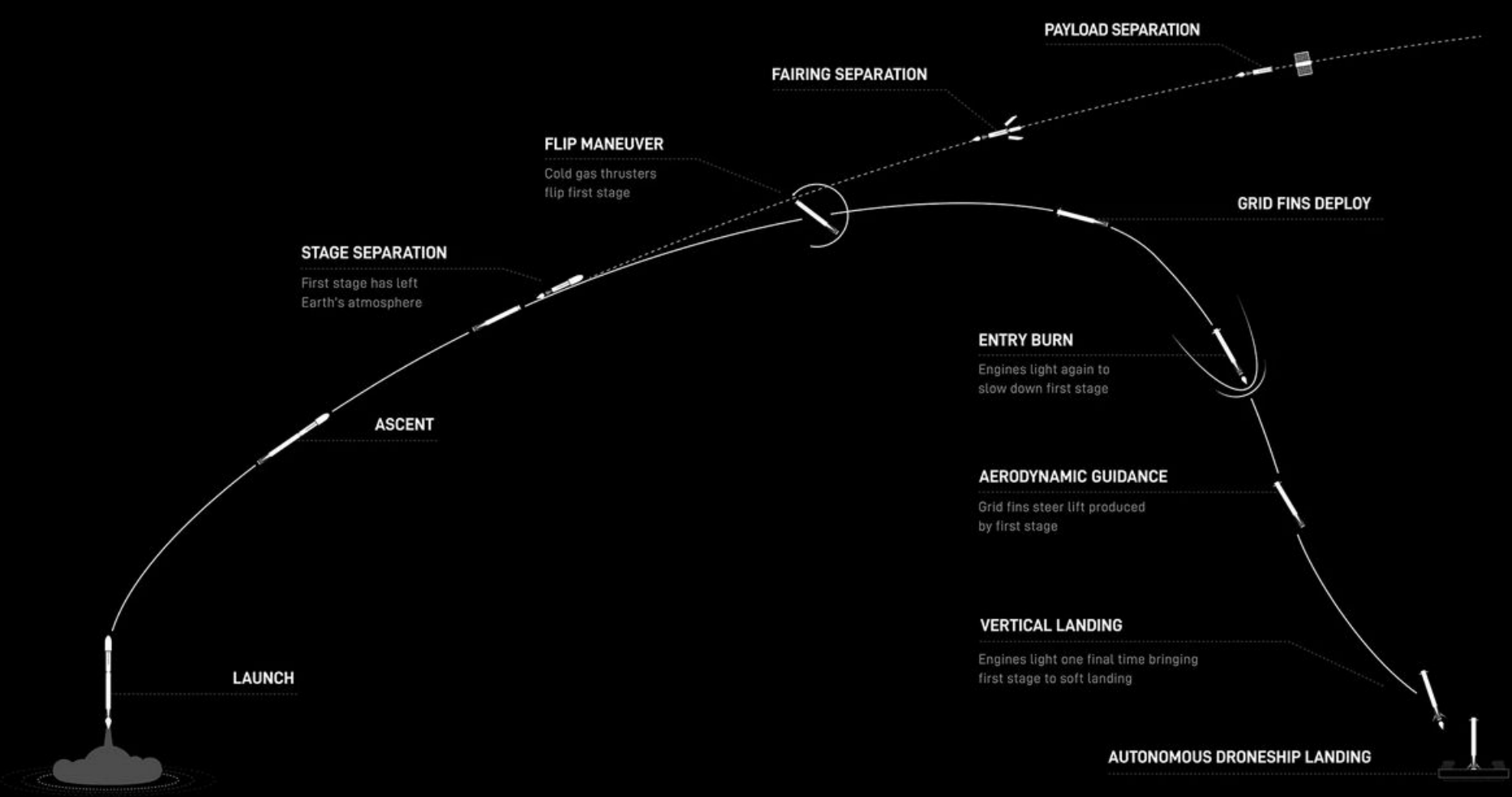
SpaceX is targeting Tuesday, December 17 for a Falcon 9 launch of the SES 03b mPOWER mission to medium Earth orbit from Launch Complex 39A (LC-39A) at Kennedy Space Center in Florida. The one-hour 27-minute launch window opens at 3:59 p.m. ET. If needed, a backup opportunity is available Tuesday, December 17 with the same window.

A live webcast of this mission will begin about 15 minutes prior to liftoff, which you can watch here and on X @SpaceX. You can also watch the webcast on the new X TV app.

This will be the first flight for the first stage booster supporting this mission. Following stage separation, the first stage will land on the Just Read the Instructions droneship, which will be stationed in the Atlantic Ocean.

COUNTDOWN

HR/MIN/SEC	EVENT
00:38:00	SpaceX Launch Director verifies go for propellant load
00:35:00	RP-1 (rocket grade kerosene) loading begins
00:35:00	1st stage LOX (liquid oxygen) loading begins
00:16:00	2nd stage LOX loading begins
00:07:00	Falcon 9 begins engine chill prior to launch
00:01:00	Command flight computer to begin final prelaunch checks
00:01:00	Propellant tank pressurization to flight pressure begins
00:00:45	SpaceX Launch Director verifies go for launch
00:00:03	Engine controller commands engine ignition sequence to start
00:00:00	Falcon 9 liftoff



LAUNCH, LANDING, AND DEPLOYMENT

All Times Approximate

HR/MIN/SEC	EVENT
00:01:11	Max Q (Moment of peak mechanical stress on the rocket)
00:02:30	1st stage main engine cutoff (MECO)
00:02:33	1st and 2nd stages separate
00:02:41	2nd stage engine starts
00:03:30	Fairing separation
00:06:20	1st stage entry burn start
00:06:46	1st stage entry burn ends
00:07:58	2nd stage engine cutoff (SECO-1)
00:08:10	1st stage landing burn start
00:08:33	1st stage landing
00:27:00	2nd stage engine starts (SES-2)
00:27:32	2nd stage engine cutoff (SECO-2)
01:49:35	2nd stage engine starts (SES-3)
01:50:04	2nd stage engine cutoff (SECO-3)
01:53:05	First 03b mPOWER satellite deploys
02:00:15	Second 03b mPOWER satellite deploys